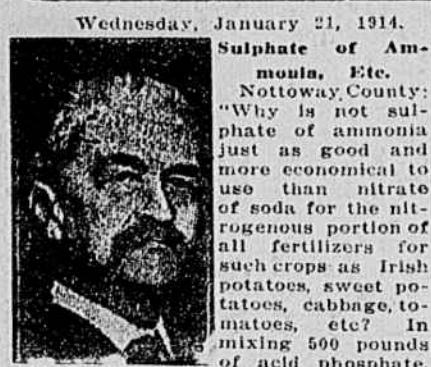


# WITH THE FARMERS

By Prof. W. F. MASSEY



W. F. Massey.

Wednesday, January 21, 1914.  
**Sulphate of Ammonia, Etc.**  
 Nottoway County: "Why is not sulphate of ammonia just as good and more economical to use than nitrate of soda for the nitrogenous portion of all fertilizers for such crops as Irish potatoes, sweet potatoes, cabbage, tomatoes, etc? In mixing 500 pounds of sulphate of soda, a little over 15 per cent of nitrate of soda, and 100 pounds of sulphate of potash, how much sulphate of ammonia would it be necessary to use to equal the nitrate of soda, and what would be the analysis? Why is the preference over muriate of potash for potatoes? Is it advisable to harrow oats and wheat in the spring on gray sandy loam in the Piedmont section? Plants do not use ammonia, and never will furnish about 20 per cent of nitrogen. Sulphate of ammonia applied to the soil would have to go through the process of nitrification or the soil bacteria, by the action of which it is already a nitrate and can be used at once. Sulphate of ammonia will furnish about 20 per cent of nitrogen, nitrate of soda a little over 15 per cent. But in some cases the sulphate of ammonia seems to have a poisonous effect, unless accompanied by liming.  
 It is better and more economical to use nitrate of soda for the crops you mention, as they are grown largely for earliness, and we need a quickly available fertilizer. Some authorities use sulphate of potash instead of the muriate, because they claim that it makes a drier and more starchy potato than the muriate. But in the early crop of Irish potatoes grown for northern shipment, I have never seen any advantage in using the sulphate over the muriate of potash, and the muriate is usually cheaper. For sweet potatoes, and any crop in which sugar is an important matter, the sulphate is much to be preferred to the muriate of potash. It gives better results in sweet potatoes, cantaloupes, and watermelons than the muriate. No. 1 would not harrow wheat or oats in spring on sandy soil.

## Peanuts.

"I have never grown peanuts, but am thinking of trying them. What would be a fair yield an acre and what price could I expect to get for the nuts? Peanuts, like other crops, vary with the fertility of the soil, and its adaptation to the crop, and the skill of the farmer. Some well made crops yield twenty-five bushels an acre and others 100 bushels. It depends on the farmer mainly. What you can get for them is one can tell for the price of peanuts, like the price of corn and wheat, varies in different seasons. Better go slow and try a small area to see what you can do. As in the case of other crops, who are looking for new crops to grow, are the men who are not growing the old crops well. You would be handicapped in growing peanuts in a section where the crops have not been grown by lack of facilities for marketing them, and lack of skill in the handling of the crop. Better farm well with the crops you are accustomed to.

## Value of Poultry Manure.

"I have a small truck farm of fourteen acres just outside the town limits, and it is very difficult to get stable manure, but I have an opportunity to buy several hundred pounds of chicken manure from a poultry plant near me. The chickens are housed and fed on the best feeds. Will it pay me to buy this manure, and if so, how much? Will it be good for vegetables and strawberries? What will it analyze? What manure will analyze can only be ascertained exactly by a chemical analysis, as it depends much on how the manure has been treated and kept. Fresh poultry droppings will average 1.10 per cent of nitrogen, 0.56 per cent

## WOOD'S FAMOUS Brimmer Tomato.

The Peer of all tomatoes for large, uniform size and superior table qualities. Market growers sell it at more than double the price of ordinary tomatoes.

Wood's 1914 Descriptive Catalog gives reports from customers, showing large profits from growing this variety. Wood's Catalog also tells about all the best

## Farm and Garden Seeds.

It is the thirty-fifth year of its issue and is more valuable than ever. Mailed free. Write for it.

**T. W. WOOD & SONS.**  
 Seedsmen, - Richmond, Va.

## S. H. Hawes and Company

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Is the best Piano made to-day at its price. No other piano costing a like amount of money will give such thorough satisfaction. The tone of the STUYVESANT is thoroughly musical, and appeals to the cultivated critical ear. Its action is light and responsive. You'll make no mistake in selecting a Stuyvesant Piano for your home.

Send for catalogue of the Stuyvesant and other high-grade pianos.

**Walter D. Moses & Co.,**  
 103 E. Broad St.  
 Oldest Music House in Virginia and North Carolina.

## STUART NAUGURAL WILL ESTABLISH NEW PRECEDENTS

(Continued From First Page.)

Constitution, to offset the fact that he was not authorized to send a message to the General Assembly, then in session. Under the old Constitution the Governor was inaugurated on January 1 and sent a message to the General Assembly, which convened on the second Wednesday of the same month. Governor-Elect Stuart will not send a message to the General Assembly until 1915. However, through the medium of his inaugural address, he will be able to convey his views on impending legislation to the members of the Legislature as effectively as if he should direct an official message to them.

## CARNEGIE IN PICTURES

Delivers Lecture Before Perfected Edison Machine.

[Special to The Times-Dispatch.]  
 New York, January 20.—Andrew Carnegie delivered his "Gospel of Wealth" before the talking moving-picture apparatus today, at the special request of Thomas Edison. This is the first time the plan of Mr. Edison to present to posterity the recorded portrait and voice of famous men, and Mr. Carnegie's pose to-day was the first taken since that of the late Mayor Gaynor.

Half an hour after he had delivered the speech the film reproduced in the studio before Mr. Carnegie, who pronounced his satisfaction with it.

## Labestia and Security Win.

Grand Junction, Tenn., January 20.—Labestia, setter owned by F. M. Stebbins, of Chicago, and landed by W. H. Beasly, of Michigan City, Miss., and the pointer Security, owned and handled by J. M. Avenet, of Hickory, Tenn., made the best showing of the dogs, which ran their first trials championship.

## Maec Goes to Ped.

Norfolk, Va., January 20.—Harry Maec, formerly in the Virginia State Baseball League, announced to-day his acceptance of a tender as umpire in the Federal League.



## Dentistry Without Pain

Is not a catch phraseology to overcome the fears of a doubting patient, but it is an acknowledged method that every dentist must adopt or expect to see his patients go to those who consider the comfort of their patients.

There is no way to prove the statement IN THIS ESSAY EXCEPT BY THE ACTUAL TREATMENT OF TEETH BY THIS METHOD, and in behalf of others and MYSELF who consider the comforts of their patients, we earnestly solicit your patronage.

Only up-to-date methods used in this office.

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Sets of Teeth ..... \$5.00 up  
 Gold Fillings ..... \$1.00 up  
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Gold Crowns and Bridge Work, \$3.00, \$4.00, \$5.00 Per Tooth.

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Electricity is the most efficient form of power. You do not have the enormous expense of shafting and friction loads—in some instances over 60%—and you pay for the power actually used.

## Electric Power Is Unfailing

If you depend on a private power plant, a disabled engine or boiler, a broken shaft or transmission may disable part or all of your plant for days. This cannot happen when you use central station power.

Telephone Madison 3400 for particulars.

## Virginia Railway & Power Company

Seventh and Franklin Streets.

## ASKS FOR LARGER V. P. I. ALLOTMENT

Farmers Call on General Assembly to Increase \$55,000 Appropriation.

## INDORSES INSTITUTION WORK

Convention of 750 Assemblies for Midwinter Conference on Educational Topics.

Heartily support to the Virginia Polytechnic Institute was pledged last night by the Virginia State Farmers' Institute, in session at Murphy's Hotel, which unanimously passed a resolution endorsing the work of the institution and calling upon the General Assembly of Virginia to increase the annual appropriation to the school from \$55,000 to \$110,000, the present appropriation to an amount which will enable it to carry on the great work it is now endeavoring to accomplish in the more or less bettering condition of the State's rural population. The resolution was offered after a round address by the president of the institute, who spoke on the subject, "Co-operation of All Forces Along Agricultural Lines."

The institute opened its winter session yesterday morning, the meetings being held in the auditorium of Murphy's Hotel. More than 500 members of the association were on hand, and before night the number had been swelled to 750. To-day members of the Virginia State Horticultural Society, which begins its convention here, will arrive, and will take part in the deliberations.

**Discuss Educational Topics.**  
 No business of importance will be transacted at this meeting of the institute. The annual meeting is held in the fall of the year, and the present sessions are merely supplementary to the regular convention. All subjects to be discussed are along educational lines, and speakers who are recognized as experts in their several lines have been secured to carry out the most elaborate and comprehensive program ever arranged for the institute.

The initial session began yesterday morning at 10 o'clock, with an address of welcome by Mayor Ainslie. The response was made by Westmoreland Davis, president of the organization, who outlined the work accomplished by the farmers of Virginia during the year. In 1913, he stated, the agricultural interests of Virginia amounted to \$750,000,000. Other facts and figures showing the progress of the farmers were greeted with applause.

Before the morning session ended several bills now pending in the Legislature were explained and discussed, and the institution voted its approval of the bills. It took action in favor of the establishment of a legislative reference bureau, where country members of the Department of Agriculture could get the benefit of the advice of the department in connection with the interests of their constituents, and where assistance in drafting laws could be obtained. It also favored a bill for licensing and bonding commission merchants, and another one, submitted by the farmers, providing for the registration of all stallions.

**Hear Distinguished Speakers.**  
 Never in the history of the organization has such a representative gathering been present, and such an array of speakers been secured for a convention of Virginia farmers. Among those who spoke at the morning sessions were: Mayor George Ainslie, Westmoreland Davis, G. W. Kolmer, Commissioner of Agriculture in Virginia; J. D. Eggleston, "Virginia Polytechnic Institute and the Farmer," Professor B. A. Oakley, United States Department of Agriculture, "Alfalfa as a Crop," B. H. Rawl, dairy division, United States Department of Agriculture, "Community Breeding," Joseph A. Turner, Hollins Institute, "Dairy as a Factor in the Development of Virginia Agriculture," Dr. Lee Coul-

ter, United States Department of Commerce and Labor; Rural Credits, J. E. Pennypacker, secretary, American Highways Commission, and member of the Department of Roads, United States Agricultural Department, "Good Roads." At the night session Governor Mann was the first speaker. He took as his subject "The Demonstration Work."

At the night session Governor Mann was the first speaker. He took as his subject "The Demonstration Work." He was followed by Bradford Knapp, chief of the Demonstration Bureau, who spoke on "What Demonstration Work Accomplished." He was followed by again spoke, and V. Valden, agricultural association, who spoke on "Co-operation between bankers and farmers."

**Big Crowd Attends.**  
 B. Morgan Shepherd, secretary of the association, said last night that he had never seen such a large and enthusiastic gathering of the institute members as the present one. He has been connected with the organization for twenty years, and knows. Other officers of the institute in attendance were: Westmoreland Davis, president; J. A. Turner, vice-president, and James Beasly, treasurer.

One session will be held this morning. Joint sessions with the Virginia State Horticultural Society at the Jefferson Hotel. The program at the morning session follows:

Professor Dan T. Gray, North Carolina Experiment Station, "The Horse to Breed," Dr. G. M. Romme, Bureau of Animal Industry, United States Department of Agriculture, "The Dairy Cow," Professor W. K. Brainerd, animal husbandman, Virginia Polytechnic Institute, and Peyton Rowe, assistant dairy commissioner.

The discussions of these subjects will be followed by "Farmers' hour," in which W. E. Hathaway, James Bellwood and George W. Bedell will tell their experiences with soja beans, cowpeas and legumes.

The trouble started while a subcommittee, of which Representative Johnson is chairman, was hearing Representative Kahn, of California, argue for a bill to allow Washington crossing policemen to ride free on trolley cars when in uniform. Mr. Shields was present to support the bill.

Representative Johnson declared he had learned that Shields had collected a fee of \$4,000 or \$5,000 from crossing policemen for "Toby activities" in connection with a bill increasing the policemen's salaries. Chairman Cross, of the subcommittee, saw trouble impending and announced a recess. "I want to be heard," insisted Shields, "I want an opportunity here to reply to these unfounded charges. They are utterly false."

With a bound Representative Johnson rounded the table and, striking



## Keeping Up With Richmond's Progress

RICHMOND is a progressive city, alive to its opportunities and resources. This is indicated by the healthy and continuous growth of the past twenty years. We are endeavoring to keep up with this progress, and to aid in the future growth of the city by furnishing good telephone service.

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1. Making the satisfaction of the public our first consideration.
2. Studying subscribers' needs and fitting the service to the needs.
3. Formulating and putting into practice standard operating methods.
4. Carefully selecting and training employees.
5. Standardizing our equipment.
6. Planning for future growth.

In a series of advertisements in the newspapers we are going to tell you something of the work which we are doing. We think these advertisements will prove interesting as well as instructive.

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ter, United States Department of Commerce and Labor; Rural Credits, J. E. Pennypacker, secretary, American Highways Commission, and member of the Department of Roads, United States Agricultural Department, "Good Roads." At the night session Governor Mann was the first speaker. He took as his subject "The Demonstration Work."

## MISS BRONSON SPEAKS

**Opponents of Equal Suffrage to Ask Legislative Hearing.**  
 The Richmond branch of the Association Opposed to Woman's Suffrage held a meeting last night in the auditorium of the Central Young Men's Christian Association, which drew a large audience. Miss Anne Bronson, who has been a leader in the fight

Shields full in the face, sent him to the floor. He was up in a moment, retreating with a blow that started the blood from a cut over Johnson's right cheek bone. The men exchanged blows freely for a moment; then Shields clinched and was pounding away on the Congressmen's chest when the committee intervened. "A ways make it a practice to take a licking or give a licking, without comment," said Johnson tonight. "There was nothing for me to do but hit him when he said I told a falsehood."

Shields said: "I acted in self-defense. Johnson struck me when I was not looking. The whole thing occurred without the slightest warning or foundation."

Later the subcommittee called a dozen crossing policemen, who testified that during the last Congress they had contracted to pay Shields certain sums in event he devoted his efforts to obtaining the passage of a bill increasing their pay and giving them annual leave. The hearings will be continued.

## Fire in Hygienic Hospital.

Engine Company No. 5 was called to the Hygienic Hospital this morning at 2 o'clock to extinguish a small blaze which was discovered in the basement. It was put out without difficulty. The damage was trifling.

## Ebbetts Signs Three.

Atlanta, Ga., January 20.—Charles H. Ebbetts, president and owner of the Brooklyn Nationals, secured the signatures to new contracts of Nap Rucker, Frank Allen and "Red" Smith here to-day. Mr. Ebbetts, during his three-hour stay in this city, announced receipt of a telegram from Catcher Hecklinger, formerly with the Chicago Nationals, saying that the big bus-stop would return to Brooklyn this season.

## Brooklyn Magnate Predicts the Early Death of the Federal League, and added that Joe Tinker would be wearing a Brooklyn uniform before the end of the coming season.

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## Neuralgia, Stopped!

Colds, Sore Throat

not slowly—after a while—but at once! The effect of Sloan's Liniment is magical. You have but to lay it gently on the afflicted spot—and presto! It goes right through the flesh straight to the source of the ache, and soothes, soothes, soothes till all the pain is quickly gone.

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**Cured Neuralgia Sore Throat**  
 Mr. Henry L. Cault, of 1242 "Hoon Street, Wilmington, Del., writes: "I bought a bottle of Sloan's Liniment for the quins and neuralgia and it cured me. I shall always keep a bottle in the house."

**Stopped Neuralgia and Toothache**  
 Mrs. Rudolph Nischke, Ocean, Wis., writes: "I have used Sloan's Liniment for toothache and neuralgia in the head, and where nothing else would help, and I found it to be the best medicine in the world."

**Cured Neuralgia**  
 Mrs. C. M. Dowker, of Johnsburg, Mich., writes: "I wish to say your Liniment is the best medicine in the world. It has cured me of neuralgia; those pains have all gone and I can truly say your Liniment did cure me."

is also unequalled for asthma, bronchitis, and the "grippe." Try it!

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